

Spectrum Group
Division of United Industries
P. O. Box 15842
St. Louis, MO 63114

Hazardous Material Identification System - (HMIS)

HEALTH - 2

REACTIVITY - 0

FLAMMABILITY - 2

PERSONAL - Rubber gloves, face mask or goggles

Material Safety Data Sheet

Complies with OSHA's Hazard Communication Standard, 29 CFR 1910.1200

I Trade Name: Spectracide® Brush Killer Concentrate			
Product Type: Liquid dilutable herbicide concentrate			
Product Item Number: 56400		Formula Code Number: 21-0564	
EPA Registration Number		Manufacturer	
9688-138-8845		Chemsico Division of United Industries Corporation 8494 Chapin Industrial Drive St. Louis, MO 63114	
		Emergency Telephone Numbers	
		For Chemical Emergency: 1-800-633-2873 For Information: 1-800-332-5553 Prepared by: C. A. Duckworth Date Prepared: September 8, 1999	
II Hazards Ingredient/Identity Information		III Physical and Chemical Characteristics	
Chemical Isooctyl ester of 2,4-D acid CAS# 1928-43-4 Isooctyl ester of 2-(2,4-dichloro-phenoxy) propionic acid CAS# 28631-35-8 Dicamba CAS# 1918-00-9 Naphthalene CAS# 91-20-3	% 9.74 9.55 1.65 0.70	OSHA PEL NA NA NA 10 ppm	ACGIH TLV NA NA NA 10 ppm
		Appearance & Odor: Clear brown liquid with a solvent odor. Boiling Point: >185° F Melting Point: NA Vapor Pressure: NA Specific Gravity: 0.947 (H ₂ O = 1) Vapor Density: Greater than 1 (Air = 1) % Volatile (by vol.): 90% Solubility in Water: 100% Evaporation Rate: Less than 1 (Butyl Acetate = 1)	
IV Fire and Explosive Hazards Data		V Reactivity Data	
Flash Point: 150° F Flammable Limits: NA Autoignition Temperature: NA Fire Extinguishing Media: Water fog, Carbon dioxide, Dry chemical Decomposition Temperature: NA Special Fire-Fighting Procedures: Use procedures for elimination of original source of fire. Use self-contained breathing apparatus in enclosed areas. Avoid skin contact. Dike area to prevent water run-off. Unusual Fire and Explosion Hazards: Vapors and fumes may be hazardous. Also see Section V.		Stability: Stable Polymerization: Will not occur Conditions to Avoid: None Incompatible Materials: NA Hazardous Decomposition or Byproducts: HCl, nitrogen oxides, carbon monoxide	
VI Health Hazard Data		VII Precautions for Safe Handling and Use	
Ingestion (Swallowing): Harmful if swallowed. First Aid: Call a physician or Poison Control Center immediately. Promptly drink a large quantity of milk, egg whites, gelatin solution, or if these are not available, large quantities of water. Do not induce vomiting and avoid alcohol. Get medical attention. Skin Contact: Causes skin irritation, harmful if absorbed through skin. First Aid: Wash contaminated clothing and wash affected areas with plenty of soap and water. Get medical attention if irritation persists. Eye Contact: Causes substantial, but temporary eye irritation. First Aid: Flush eyes with water for 15 minutes. Get medical attention. Inhalation Toxicity: Avoid breathing vapor and spray mist. First Aid: Remove victim to fresh air. Apply artificial respiration if indicated. Health conditions Aggravated by Exposure: None known Ingredients listed by NTP, OSHA, or IARC as Carcinogens or Potential Carcinogens: None		Steps to be Taken in Case Material is Released or Spilled: Avoid breathing vapors. Avoid contact with liquid. Soak up with absorbent material. Wash area with water. Waste Disposal: Give to qualified waste disposal service. Handling & Storage Precautions: Do not store where temperatures can exceed 54° C/130° F.	
VIII Control Measures		IX Transportation Data	
Read and follow label directions. They are your best guide to using this product effectively, and give necessary safety precautions to protect your health.		DOT Shipping Name: Consumer Commodity DOT Hazard Class: Class III - A Liquid	

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